

B) AMENDMENTS TO THE CLAIMS:

1. [currently amended] A method for attenuating noise in ~~at least two positive displacement compressors proximately located from each other having a reference compressor for providing reference operational settings for comparison with the remaining at least two compressors for use with~~ at least one heating or cooling system, the steps comprising:
 - a) ~~providing at least two compressors including a reference compressor, the at least two compressors having a selectably controllable rotational speed and a selectably controllable phase of operation;~~
 - b) ~~providing a means of control for selectably controlling the rotational speed and the phase of operation of each~~ compressor of the at least two compressors;
 - c) ~~providing a sensing means for sensing~~ pressure pulses associated with each compressor of the at least two compressors ~~the rotational speed and the phase of operation of each of the two compressors;~~
 - d) determining the rotational speed and the phase of operation of each compressor of the at least two compressors based on the sensed pressure pulses;
 - e) ~~controlling by the means of control the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same for each of the at least two compressors; and~~
 - f) shifting ~~e) controlling by the means of control the phase of operation of at least one compressor of the at least two compressors wherein the phase of operation of the remaining of the at least two compressors being shifted so that an outlet pressure pulse pulses operatively produced by each of the remaining of the at least two compressors is~~ are substantially evenly spaced between successive outlet pulses operatively produced by the reference compressor.
2. [currently amended] The method of claim 1 wherein ~~in the step [(e)]~~ of shifting the phase of operation is performed in order to produce a composite pressure pulse

frequency is ~~produced that is higher than~~ the frequency ~~between successive outlet pulses of the reference of each~~ compressor.

3. [currently amended] The method of claim 1 wherein ~~in the step [(e)]~~ of shifting the phase of operation is performed in order to produce a composite pressure pulse frequency is ~~produced that is a factor of "n" times higher than~~ the frequency ~~between successive outlet pulses of the reference of each~~ compressor, "n" being a total number of the at least two compressors.
4. [currently amended] The method of claim 1 wherein in the ~~positive displacement the at least two~~ compressors are screw compressors.
5. [currently amended] A system for attenuating noise in ~~at least two positive displacement compressors proximately located from each other for use with~~ at least one heating or cooling system comprising:

~~at least two compressors, the at least two compressors including a reference compressor, the at least two compressors having a selectably controllable rotational speed and a selectably controllable phase of operation;~~

a means of control for selectably controlling the rotational speed and the phase of operation of each compressor of the at least two compressors;

a sensing means for sensing pressure pulses associated with each compressor of the at least two compressors ~~the rotational speed and the phase of operation of each of the two compressors;~~

the means of control configured to determine the rotational speed and the phase of operation of each compressor of the at least two compressors based on the sensed pressure pulses, and to control:

~~controlling the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same for each of the at least two compressors, the means of control controlling and~~

the phase of operation of the at least two compressors ~~wherein the phase of operation of the remaining of the at least two compressors being shifted so that an outlet pressure pulse~~ pulses operatively

~~produced by each of the remaining of the at least two compressors is~~
are substantially evenly spaced between successive outlet pulses
~~operatively produced by the reference compressor.~~

6. [original] The system of claim 5 wherein the means of control is a variable speed drive.
7. [currently amended] The system of claim 5 wherein the means of control for each compressor of the at least one at least two compressors is a variable speed drive.
8. [new] A method for attenuating noise in at least one heating or cooling system, the steps comprising:
 - providing at least two compressors;
 - selectably controlling the rotational speed and the phase of operation of each of the at least two compressors;
 - sensing pressure pulses associated with each compressor;
 - determining the rotational speed and the phase of operation of each of the at least two compressors based on the sensed pressure pulses;
 - controlling by the means of control the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same for each of the at least two compressors; and
 - shifting the phase of operation of at least one compressor of the at least two compressors so that outlet pressure pulse pulses operatively produced by each of the at least two compressors are substantially evenly spaced;
 - wherein the composite pressure pulse frequency is a factor of "n" times higher than the frequency between successive outlet pulses of each compressor, "n" being a total number of the at least two compressors.